



## SIB 11 08 21 FAILURE OF REAR OXYGEN SENSOR

BMW Motorrad  
**MODEL**

E-Series	Model Description
K63	S 1000 R
K66	M 1000 RR
K67	S 1000 RR
K69	S 1000 XR

### SITUATION

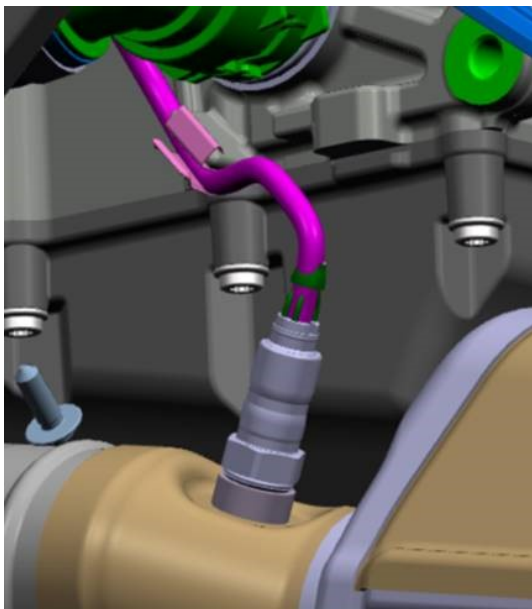
Warning light and fault message in the TFT with faults stored for the rear oxygen sensor (after the catalytic converter).

The failure usually occurs shortly after the vehicle handover or the running-in check. Analysis of the defective parts received showed that the oxygen sensor cable is crushed when the engine spoiler is installed.

### PROCEDURE

In case of a fault memory entry to cylinder bank 1 or cylinder bank 2, please check the oxygen sensor cables in the following areas:

Cylinder bank 1: At the sheet metal clamp that affixes the oxygen sensor cable, see Figure 1:  
*Figure 1: K69 Oxygen sensor bank 1 - damage of the lines, wiring harness at the clamp*



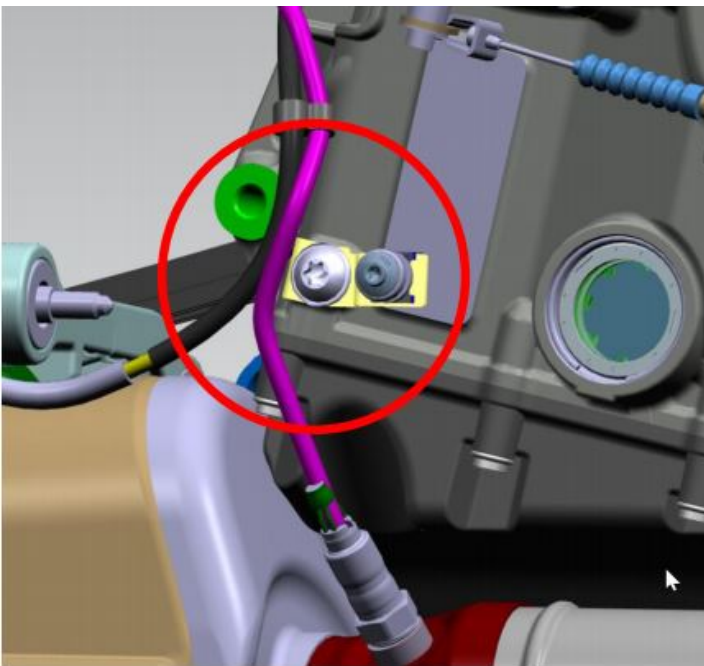
Cylinder bank 2: Incorrectly routed oxygen sensor wiring pinched between the engine and the engine spoiler, see Figure 2:

*Figure 2: K69 Oxygen sensor bank 2 - damage of the lines, wiring harness at the bracket for engine spoiler*



The correct wire routing is pictured in Figure 3:

*Figure 3: K69 Oxygen sensor bank 2 - correct routing of the line, wiring harness to prevent damage*



It is possible to repair the damaged area by insulating the single damaged wire with about 3 cm of black heat-shrink tubing with internal adhesive. The black outer insulation tube must also be appropriately covered to repair the damaged area. If a proper repair is not possible, the oxygen sensor must be replaced.

Please ensure that the oxygen sensor cables are not crushed when installing the engine spoilers.

## **PARTS INFORMATION**

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in ETK which takes into account specific equipment and/or options.

Additional parts like gaskets, hardware and chemicals may be required for the complete repair.

#### Part Number

11 78 8 405 117	Oxygen sensor
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### WARRANTY INFORMATION

Parts that are defective are covered under the terms of the BMW New Vehicle Limited Warranty for Motorcycles, if applicable. Parts damaged by the delivering dealers during pre-delivery works are not covered.

### QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Contact the BMW Technical Support Group via TSARA
Warranty inquiries	Submit an IDS ticket to the Warranty Department
Parts inquiries	Submit an IDS ticket to the Motorrad Parts Department

#### Supporting Materials

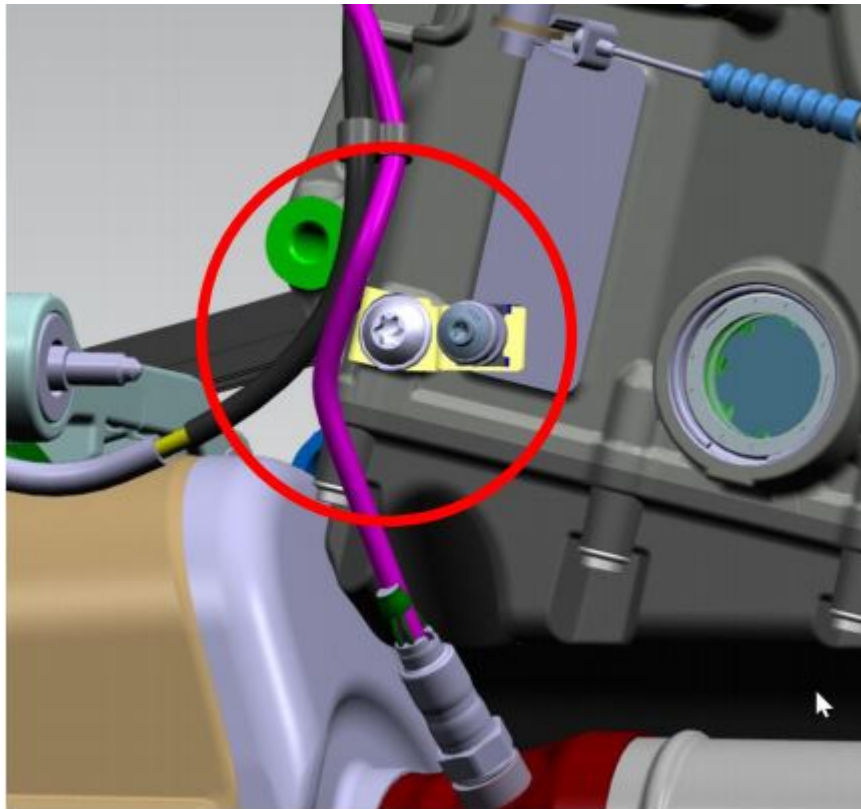
[insert\\_drive\\_file K69 Oxygen sensor bank 2 - correct routing of the line, wiring harness to prevent damage.jpg](#)

[picture\\_as\\_pdf 11 08 21 FAILURE OF REAR OXYGEN SENSOR.pdf](#)

[insert\\_drive\\_file K69 Oxygen sensor bank 1 - damage of the lines, wiring harness at the clamp.jpg](#)

[insert\\_drive\\_file K69 Oxygen sensor bank 2 - damage of the lines, wiring harness at the bracket for engine spoiler.jpg](#)

[insert\\_drive\\_file K69 Oxygen sensor - damage of the lines, wiring harness.jpg](#)



# Service Information Bulletin

Engine

June 4, 2021

11 08 21

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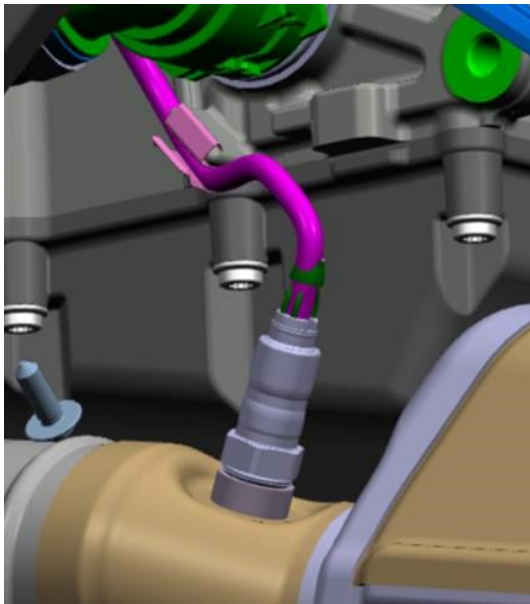
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*Figure 1: K69 Oxygen sensor bank 1 - damage of the lines, wiring harness at the clamp*



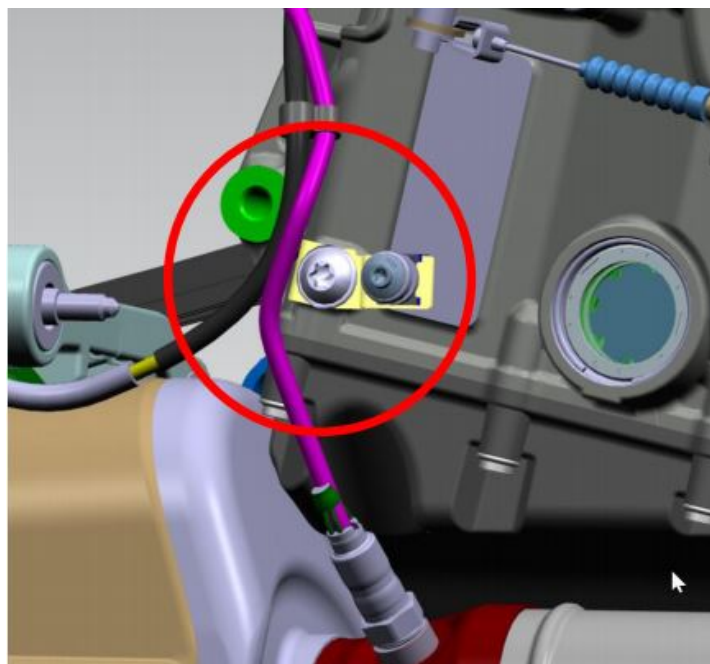
Cylinder bank 2: Incorrectly routed oxygen sensor wiring pinched between the engine and the engine spoiler, see Figure 2:

Figure 2: K69 Oxygen sensor bank 2 - damage of the lines, wiring harness at the bracket for engine spoiler



The correct wire routing is pictured in Figure 3:

Figure 3: K69 Oxygen sensor bank 2 - correct routing of the line, wiring harness to prevent damage



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